

## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : Pulp &amp; Paper, Misc</b>					
<b>System 1 : Bleach Generation System</b>					
STORAGE TANK, SODIUM HYDROSULFITE, BLEACH DEGASSING, DIAMETER: 1 FT 7 IN; LENGTH: 2 FT 3 IN A/N: 241297	D1			PM: (9) [RULE 405,2-7-1986]	323-1
MIXER A/N: 241297	D2			PM: (9) [RULE 405,2-7-1986]	323-1
<b>System 2 : TALC SLURRY SYSTEM</b>					
HOPPER, DUMP, TALC A/N: 337225	D3			PM: (9) [RULE 405,2-7-1986]	1-1, 323-1
CONVEYOR, SCREW, TALC A/N: 337225	D4			PM: (9) [RULE 405,2-7-1986]	323-1
TANK, NO.1, SLURRY , DIAMETER: 2 FT; HEIGHT: 2 FT A/N: 337225	D5				166-1
TANK, NO.2, SLURRY , DIAMETER: 2 FT; HEIGHT: 2 FT A/N: 337225	D6				166-1
TANK, NO.3, SLURRY , DIAMETER: 2 FT; HEIGHT: 2 FT A/N: 337225	D7				166-1
<b>Process 2 : External Combustion</b>					
<b>System 1 : COGENERATION SYSTEM NO. 1</b>					
TURBINE, NATURAL GAS, WESTINGHOUSE ELECTRIC, MODEL W-191, COGENERATION, 223 MMBTU/HR WITH A/N:	D8	D41	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 109 LBS/MMCF NATURAL GAS (1) [RULE 2012,12-7-1995;RULE 2012,4-9-1999]	23-1, 327-1

- \* (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : External Combustion</b>					
GENERATOR, 16.5 MW				PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: 0.01 GRAINS/SCF (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978]  PM: 11 LBS/HR (5B) [RULE 475,10-8-1976;RULE 475,8-7-1978]	
STACK, BYPASS A/N:	S10	D9			
BOILER, NATURAL GAS, FOSTER WHEELER, MODEL TEG-WHB, OPERATES IN WASTE HEAT OR STAND-ALONE BOILER MODE, 134 MMBTU/HR A/N: 241294	D9	S10	NOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146,5-13-1994] ; CO: 2000 PPMV (5A) [RULE 407,4-2-1982] ; NOX: 47.75 LBS/MMCF NATURAL GAS (1) [RULE 2012,12-7-1995 RULE 2012,4-9-1999] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: 0.01 GRAINS/SCF (5A) [RULE 476,10-8-1976]  PM: 11 LBS/HR (5B) [RULE 476,10-8-1976]	327-2
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, ALLIS CHALMERS, MODEL 25000, STARTER ENGINE, 450 BHP A/N: 366518	D43		NOX: PROCESS UNIT	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,12-7-1995;RULE 2012,4-9-1999]	12-1, 63-1

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|---|---|
| <p>* (1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
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## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : Waste Water Treatment</b>					
MIXER, ALUM MIXING, HEIGHT: 5 FT 7 IN; LENGTH: 19 FT 6 IN; WIDTH: 8 FT A/N: 241295	D11			PM: (9) [RULE 405,2-7-1986]	323-1
PROCESS TANK, NO.1, WASTE WATER, ALUM REACTION HOLDING, HEIGHT: 7 FT 8 IN; LENGTH: 40 FT; WIDTH: 9 FT A/N: 241295	D12				
PROCESS TANK, NO.2, WASTE WATER, ALUM REACTION HOLDING, HEIGHT: 7 FT 8 IN; LENGTH: 40 FT; WIDTH: 9 FT A/N: 241295	D13				
PROCESS TANK, NO.3, WASTE WATER, ALUM REACTION HOLDING, HEIGHT: 7 FT 8 IN; LENGTH: 40 FT; WIDTH: 9 FT A/N: 241295	D14				
PROCESS TANK, NO.4, WASTE WATER, ALUM REACTION HOLDING, HEIGHT: 7 FT 8 IN; LENGTH: 40 FT; WIDTH: 9 FT A/N: 241295	D15				
PROCESS TANK, NO.5, WASTE WATER, RETENTION, DIAMETER: 4 FT 6 IN; HEIGHT: 9 FT 6 IN A/N: 241295	D16				
PROCESS TANK, NO.6, WASTE WATER, RETENTION, DIAMETER: 4 FT 6 IN; HEIGHT: 9 FT 6 IN A/N: 241295	D17				

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| * (1) Denotes RECLAIM emission factor                  | (2) Denotes RECLAIM emission rate                          |
| (3) Denotes RECLAIM concentration limit                | (4) Denotes BACT emission limit                            |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit                   |
| (7) Denotes NSR applicability limit                    | (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                      | (10) See Section J for NESHAP/MACT requirements            |

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : Waste Water Treatment</b>					
PROCESS TANK, NO.7, WASTE WATER, RETENTION, DIAMETER: 4 FT 6 IN; HEIGHT: 9 FT 6 IN A/N: 241295	D18				
PROCESS TANK, NO.8, WASTE WATER, RETENTION, DIAMETER: 4 FT 6 IN; HEIGHT: 9 FT 6 IN A/N: 241295	D19				
PROCESS TANK, NO.9, WASTE WATER, DE-INKING WATER CLARIFIER, HEIGHT: 8 FT; LENGTH: 40 FT; WIDTH: 18 FT A/N: 241295	D20				
PROCESS TANK, NO.10, WASTE WATER, DE-INKING WATER CLARIFIER, HEIGHT: 8 FT; LENGTH: 40 FT; WIDTH: 18 FT A/N: 241295	D21				
PROCESS TANK, NO.11, WASTE WATER, DE-INKING WATER CLARIFIER, HEIGHT: 8 FT; LENGTH: 40 FT; WIDTH: 18 FT A/N: 241295	D22				
PROCESS TANK, NO.12, WASTE WATER, DE-INKING WATER CLARIFIER, HEIGHT: 8 FT; LENGTH: 40 FT; WIDTH: 18 FT A/N: 241295	D23				
STORAGE SILO, RECOVERED SOLIDS DISCHARGE, HEIGHT: 6 FT 2 IN; LENGTH: 46 FT; WIDTH: 6 FT 1 IN A/N: 241295	D24				

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|---|--|
| <p>* (1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
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\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : Waste Water Treatment</b>					
STORAGE TANK, CLARIFIER LIQUID DISCHARGE, HEIGHT: 6 FT 2 IN; LENGTH: 46 FT; WIDTH: 6 FT 1 IN A/N: 241295	D25				
STORAGE TANK, CLARIFIER LIQUID DISCHARGE, HEIGHT: 6 FT 2 IN; LENGTH: 46 FT; WIDTH: 6 FT 1 IN A/N: 241295	D26				
<b>Process 5 : RULE 219 EXEMPT EQUIPMENT</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E32			ROG: (9) [RULE 1113,11-8-1996;RULE 1113,5-14-1999;RULE 1171,6-13-1997;RULE 1171,10-8-1999]	67-1
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E33				23-2
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT <sup>3</sup> , WITH DUST FILTER	E35			PM: (9) [RULE 1140,8-2-1985;RULE 404,2-7-1986;RULE 405,2-7-1986]	67-2, 102-1, 322-1, 381-1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E36			ROG: (9) [RULE 1171,6-13-1997;RULE 1171,10-8-1999]	23-3
RULE 219 EXEMPT EQUIPMENT, HANDWIPE OPERATIONS	E37			ROG: (9) [RULE 1171,6-13-1997;RULE 1171,10-8-1999]	

\* (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
SMURFIT NEWSPRINT CORPORATION**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

# **FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION**

## **SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	2
D4	1	1	2
D5	1	1	2
D6	1	1	2
D7	1	1	2
D8	1	2	1
D9	2	2	1
S10	2	2	1
D11	3	3	0
D12	3	3	0
D13	3	3	0
D14	3	3	0
D15	3	3	0
D16	3	3	0
D17	3	3	0
D18	4	3	0
D19	4	3	0
D20	4	3	0
D21	4	3	0
D22	4	3	0
D23	4	3	0
D24	4	3	0
D25	5	3	0
D26	5	3	0
E32	5	5	0
E33	5	5	0
E35	5	5	0
E36	5	5	0
E37	5	5	0
D43	2	2	1

## **FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

#### **FACILITY CONDITIONS**

F9-1. Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 9-11-1998]

#### **DEVICE CONDITIONS**

1-1. The operator shall limit the material processed to no more than 14100 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as Talc charged.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[ Devices subject to this condition : D3]

12-1. The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[ Devices subject to this condition : D43]



## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- 23-1. This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1134

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997]

[ Devices subject to this condition : D8]

- 23-2. This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]

[ Devices subject to this condition : E33]

- 23-3. This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1122

[RULE 1122, 7-11-1997]

[ Devices subject to this condition : E36]

## FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- 63-1. The operator shall limit emissions from this equipment as follows

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than 77 LBS IN ANY ONE YEAR
CO	Less than 245 LBS IN ANY ONE YEAR
SOX	Less than 13 LBS IN ANY ONE YEAR
PM10	Less than 80 LBS IN ANY ONE YEAR

*Rule*  
 [1303(b)(2) 5-10-1996]  
 [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[ Devices subject to this condition : D43]

- 67-1. The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]

[ Devices subject to this condition : E32]

## **FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- 67-2. The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]**

[ Devices subject to this condition : E35]

- 102-1. The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]**

[ Devices subject to this condition : E35]

- 166-1. The operator shall keep all openings from this equipment closed when in use except during inspection and cleaning.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[ Devices subject to this condition : D5, D6, D7]

- 322-1. The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]**

[ Devices subject to this condition : E35]

## **FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

323-1. The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall either:

- 1). Verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past;
- 2). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 3). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). Visible emission observation record by a certified smoke reader.

**[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]**

[ Devices subject to this condition : D1, D2, D3, D4, D11]

327-1. For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 475, 10-8-1976; RULE 475, 8-7-1978]**

[ Devices subject to this condition : D8]

## **FACILITY PERMIT TO OPERATE SMURFIT NEWSPRINT CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- 327-2. For the purpose of determining compliance with District Rule 476, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 476, 10-8-1976]**

[ Devices subject to this condition : D9]

- 381-1. The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4) -Periodic Monitoring, 8-11-1995; RULE 3004(a)(4) - Periodic Monitoring, 11-14-1997]**

[ Devices subject to this condition : E35]